

# ABSTRACT

A method is for three-dimensionally, optically measuring measuring objects by comparison with a reference object, where image data of the measuring object are acquired and compared to  
5 image data of the reference object, and the measuring object is directly or indirectly assessed with regard to deviations from the reference object. A quick and, at the same time, reliable assessment of the measuring object is achieved in that the measuring object and/or the reference object or a holographic  
10 recording of the measuring object and/or of the reference object are/is rotated relative to one another about at least one axis, the image data of the measuring object being acquired and the comparison being performed in various, relative rotational positions, in that an evaluation regarding a maximum agreement of  
15 the measuring object with the reference object is performed in the different comparisons, and in that the deviation is assessed in the rotational position determined by the maximum agreement.